

administrative department or industry group, thereby making possible high quality and efficient design.

WE CLAIM

1. A security specification creation support device that supports creation of a security specification in respect of an information network system, comprising:

a security specification example database in which existing security specifications are registered as examples;

a definition information acceptance unit that accepts the definition information of respective components constituting the information network system from a user;

a security specification selection unit that looks up reusable examples from the security specification example database based on definition information of the component accepted by the definition information acceptance unit in respect of the respective components; and

a security specification draft creation unit that creates a composite security specification draft in respect of an information network system by entering the details of respective examples found by the security specification selection unit in a prescribed form of security specification and accepts revisions of the draft from the user.

2. The security specification creation support device according to claim 1 wherein the security specification selection unit, when at least one reusable example is detected from the security specification example database in respect of the respective components, allows a user to select an example for re-use from the detected examples and uses this selected example as a security specification draft for the component and accepts from the user revisions of this draft, and when no reusable example is detected from the security specification example database, creates security specification drafts of the respective components by accepting from the user a security specification draft of the components; and

the security specification draft creation unit creates the composite security specification draft by entering the details of the security specification drafts of the respective components in the prescribed form of security specification.

3.

The security specification creation support device according to claim 2 wherein the security specification draft creation unit creates the composite security specification draft such that the portions where details of the security specification drafts of the respective components can be identified.

4.

The security specification creation support device according to claim 1 wherein the definition information acceptance unit accepts from the user definition information of respective domains obtained by dividing the information network system into operational environment units, definition information of respective subsystems obtained by dividing these domains into device units in respect of the respective domains, and definition information of the respective components obtained by dividing these subsystems into minimum units for security analysis in respect of the respective subsystems.

5. The security specification creation support device according to claim 4 wherein the security specification draft creation unit creates a composite security specification draft of the domain or the subsystem by entering the details of the security specification draft of the respective components belonging to the domain or the subsystem in a prescribed form of security specification.

6. The security specification creation support device according to claim 5 wherein, in the security specification example database

previously created composite security specifications of domains and subsystems are registered as examples, and

the security specification selection unit looks up examples of composite security specifications of domains or subsystems that can be re-used from the security specification example database, based on the definition information of the domain or subsystem accepted by the definition information acceptance unit, in respect of the respective domains or the respective subsystems.

7. The security specification creation support device according to claim 4 further comprising a system configuration example database in which typical patterns of component configurations in respect of a plurality of respective subsystems are registered as examples, and

the definition information acceptance unit identifies a typical pattern of component configuration of the subsystem from the system configuration examples based on the subsystem definition information accepted from the user, and accepts definition information from the user in respect of respective components indicated by the component configuration of identified typical pattern.

8. The security specification creation support device according to claim 4 comprising a tree display unit that displays respective domains, subsystems and components whose definition information has been accepted by the definition information acceptance unit, in a tree structure in which layer relationship in the information network system can be identified .

9. The security specification creation support device according to claim 8 wherein the tree display unit displays respective components constituting the same subsystem in a layer structure in which layer relationship in the subsystem can be identified.

10. The security specification creation support device according to claim 8 wherein the tree display unit displays respective components in such a way that whether or not an example has been detected by the security specification selection unit can be identified.

11. The security specification creation support device according to claim 1 wherein the security specification example database is arranged separated from the security specification selection unit, through a network.

12. A program capable of being read by a computer for supporting creation of a security specification in respect of an information network system, which makes the computer function as:

a definition information acceptance unit that accepts the definition information of respective components constituting the information network system from the user;

a security specification selection unit that looks up reusable examples from a security specification example database in which existing security specifications are registered as examples based on definition information of the component accepted by the definition information acceptance unit in respect of the respective components; and

a security specification draft creation unit that creates a composite security specification draft in respect of an information network system by entering the details of respective examples found by the security specification selection unit in a prescribed form of security specification and accepts revisions of the draft from the user.

13. A security specification creation support method that supports creation of a security specification in respect of an information network system using a computer

in which a security specification example database in which existing security specifications are registered as examples is stored in a storage device of the computer or another computer connected with the aforesaid computer through a network, and

the computing device of the computer performs:

a definition information acceptance step of accepting from the user definition information of respective components constituting the information network system;

a security specification selection step in which reusable examples are looked up from the security specification example database based on definition information of the component accepted by the definition information acceptance step in respect of the respective components; and

a security specification draft creation step in which a composite security specification draft is created in respect of the information